NAEP

National Assessment of Educational Progress

South Dakota Results 2005

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South Dakota Department of Education



Student, School/District Characteristics for South Dakota Public Schools

Student Characteristics

Number enrolled: 125,537

Percent in Title I schools: 42.9%

With Individualized Education Programs

(IEP): **13.6**%

Percent in limited-English proficiency

programs: 3.6%

Percent eligible for free/reduced lunch:

31.4%

Racial/Ethnic Background

White: **84.9**%¹ Black: **1.5**%¹

Hispanic: 1.8%¹

Asian/Pacific Islander: 1.0%

American Indian/Alaskan Native: 10.7%1

School/District Characteristics

Number of school districts: 172*

Number of schools: 741

Number of charter schools: **N/A** Per-pupil expenditures: **\$6,675**¹

Pupil/teacher ratio: 13.6

Number of FTE teachers: 9,245

CAUTION INTERPRETING RESULTS

The averages and percentages in this report are **estimates** based on samples of students rather than on entire populations. Moreover, the collection of questions used at each grade level is only a sample of the many questions that could have been asked to assess the skills and abilities described in the NAEP framework. *Therefore, the results are* subject to a measure of uncertainty, reflected in the standard error of the estimates—a range of up to a few points above or below the score or percentage—which takes into account potential score fluctuation due to sampling error and measurement error. Statistical tests that factor in these standard errors are used to determine whether the differences between average scores or percentages are significant. All differences were tested for statistical significance at the .05 level.

Defining the content domain to be assessed

State Curriculum Framework and Standards

State Assessment, Framework, and Specifications

State Assessment

NAEP Assessment Framework and Specifications

Subject Area Domain

Distribution of Items by Content Area

Table 1. Percentage Distribution of Items by Grade and Content Area

Content Area (2005)	Grade 4 (%)	Grade 8 (%)	Grade 12 (%)	
Number Properties and Operations	40	20	10	
Measurement	20	15	30	
Geometry	15	20	30	
Data Analysis and Probability	10	15	25	
Algebra	15	30	35	

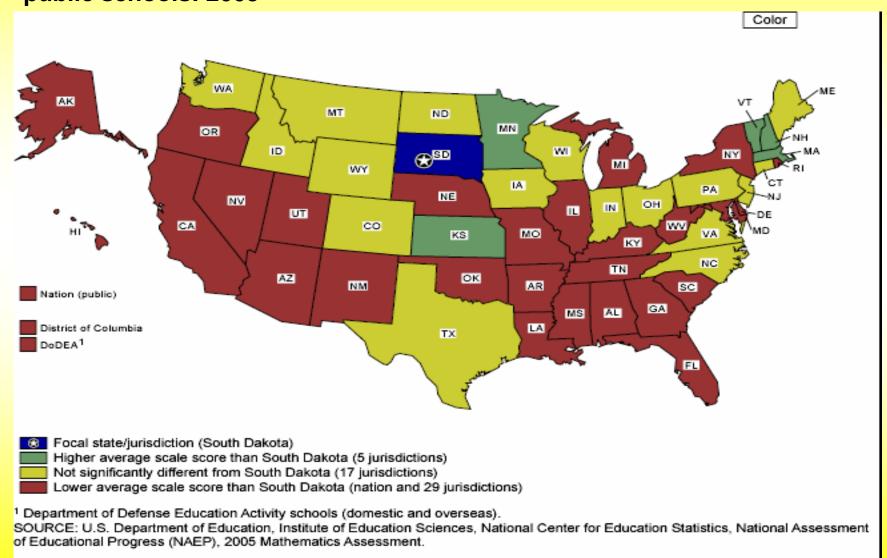
Performance of NAEP Reporting Groups in South Dakota Grade 4 Math

Group	2003	2005	Dif
Males	239	243	+4
Females	235	240	+5
White	241	245	+4
Native American	217	221	+4
Eligible for free/reduced lunch	227	232	+5
Not eligible for free/reduced lunch	244	249	+5
Students classified as having a disability	219	225	+6

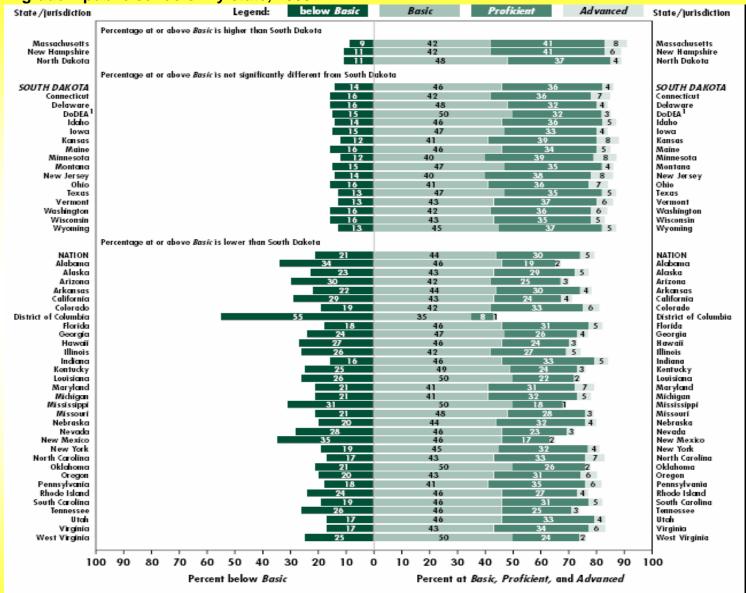
Math Grade 4 Comparison— Highest and Bordering States 2003-2005

<u>Jurisdiction</u>	2003	2005
Massachusetts	242	247
Minnesota	242	246
Wyoming	241	243
North Dakota	238	243
South Dakota	237	242
Iowa	238	240
Nebraska	236	238

South Dakota's average mathematics scale score compared with scores for the nation and other participating jurisdictions, grade 4 public schools: 2005

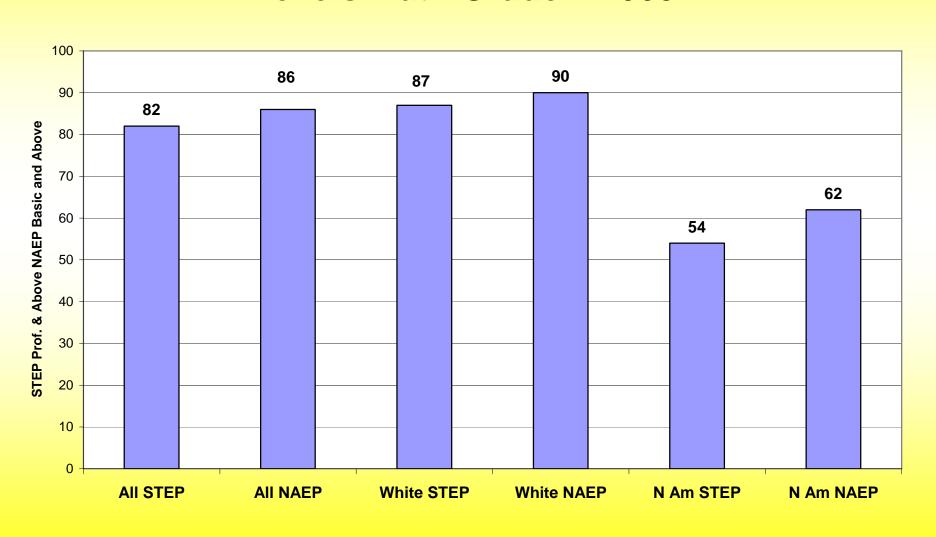


Percentage of students within each mathematics achievement level, and South Dakota's percentage at or above *Basic* compared with the nation and other participating jurisdictions, grade 4 public schools: By state, 2005



Department of Defense Education Activity schools (domestic and overseas). NOTE: The bars above contain percentages of students in each NAEP mathematics achievement level. Achievement levels corresponding to each population of students are aligned at the point where the *Proficient* category begins, so that they may be compared at *Basic* and above. Detail may not sum to totals because of rounding. The shaded bars are graphed using unrounded numbers. Significance tests used a multiple-comparison procedure based on all jurisdictions that participated. SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2005 Mathematics Assessment.

Dakota STEP Levels Compared to NAEP Levels Math Grade 4 2005



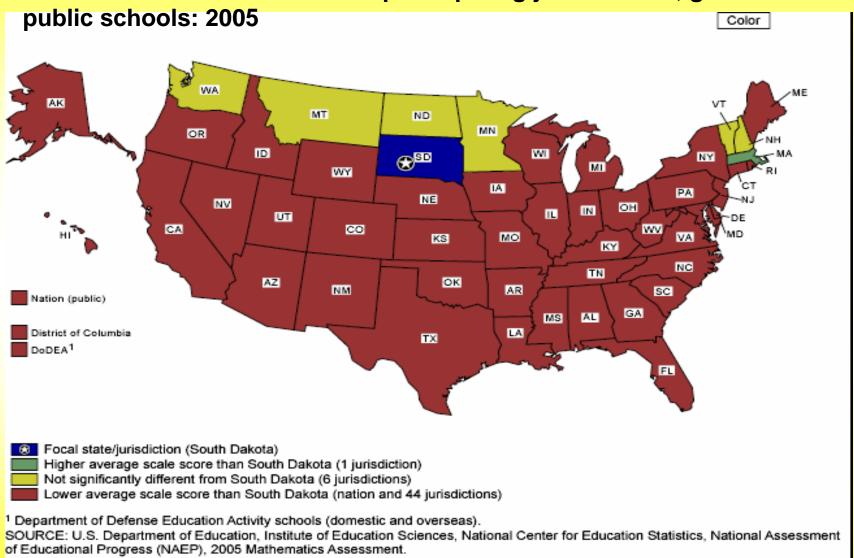
Performance of NAEP Reporting Groups in South Dakota Grade 8 Math

Group	2003	2005	Dif
Males	286	287	+1
Females	284	287	+3
White	288	291	+3
Native American	255	260	+5
Eligible for free/reduced lunch	272	276	+4
Not eligible for free/reduced lunch	291	294	+3
Students classified as having a disability	246	250	+4

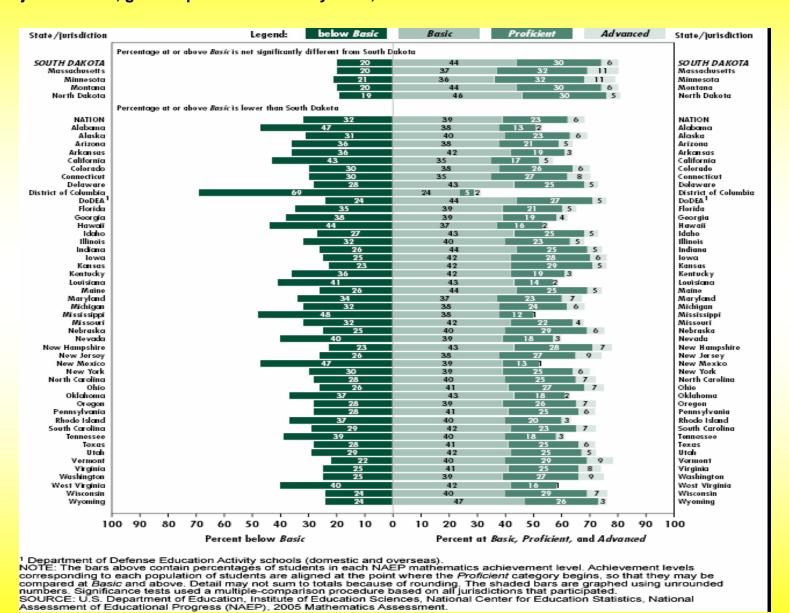
Math Grade 8 Comparison— Highest and Bordering States 2003-2005

<u>Jurisdiction</u>	2003	2005
Massachusetts	287	292
Minnesota	291	290
South Dakota	285	287
North Dakota	287	287
Nebraska	282	284
Iowa	284	284
Wyoming	284	282

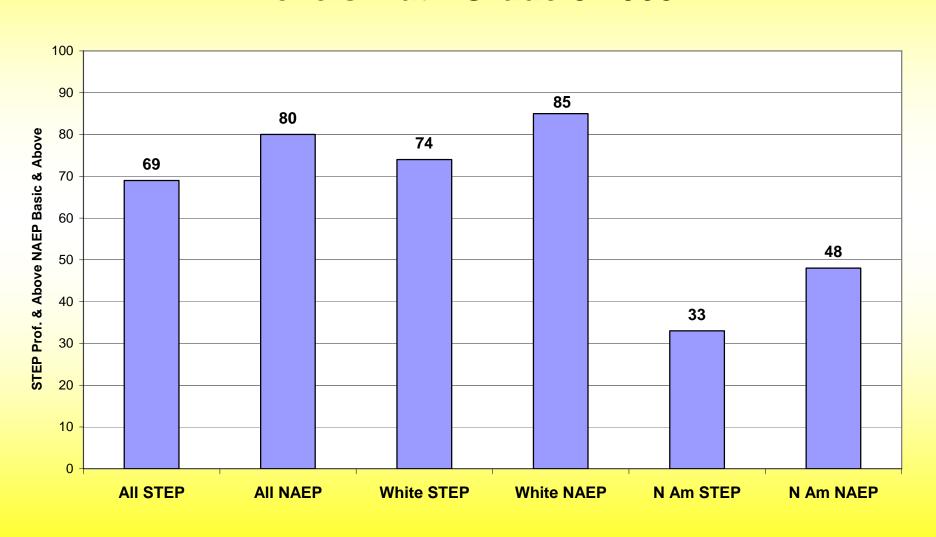
South Dakota's average mathematics scale score compared with scores for the nation and other participating jurisdictions, grade 8 public schools: 2005



Percentage of students within each mathematics achievement level, and South Dakota's percentage at or above *Basic* compared with the nation and other participating jurisdictions, grade 8 public schools: By state, 2005



Dakota STEP Levels Compared to NAEP Levels Math Grade 8 2005



NAEP READING TEST

Recognizing that readers vary their approach to reading different texts, the framework specifies the assessment of reading in three contexts: reading for literary experience, reading to gain information, and reading to perform a task. Each context for reading is associated with a range of different types of texts that are included in the NAEP reading assessment. All three contexts for reading are assessed at grades 8 and 12, but reading to perform a task is not assessed at grade 4.

NAEP Reading

Context for Reading

- Reading for literary experience
- Reading for information
- Reading to perform a task

Aspects of Reading

- Forming a general understanding
- Developing interpretation
- Making reader/text connections
- Examining content and structure

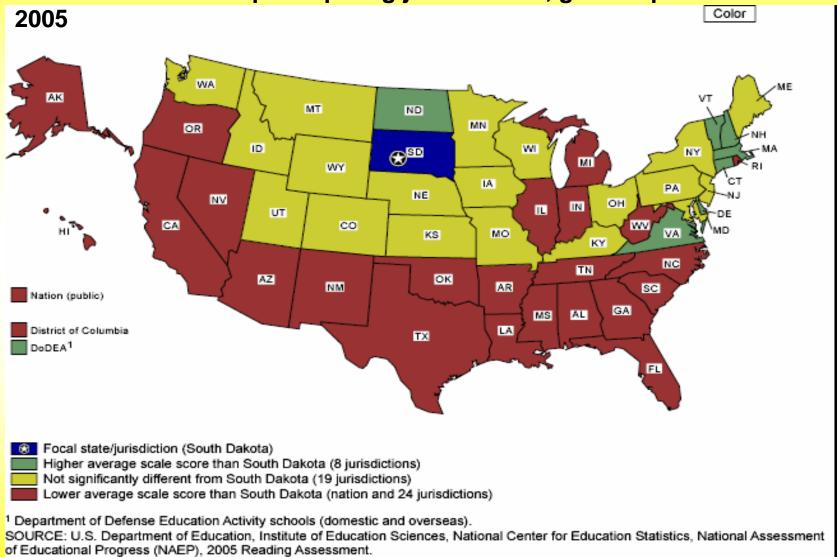
Performance of NAEP Reporting Groups in South Dakota Grade 4 Reading

Group	2003	2005 Dif
Males	220	219 -1
Females	225	227 +2
White	227	226 -1
Native American	197	201 +4
Eligible for free/reduced lunch	210	210 S
Not eligible for free/reduced lunch	230	231 +1
Classified as having a disability	192	192 S

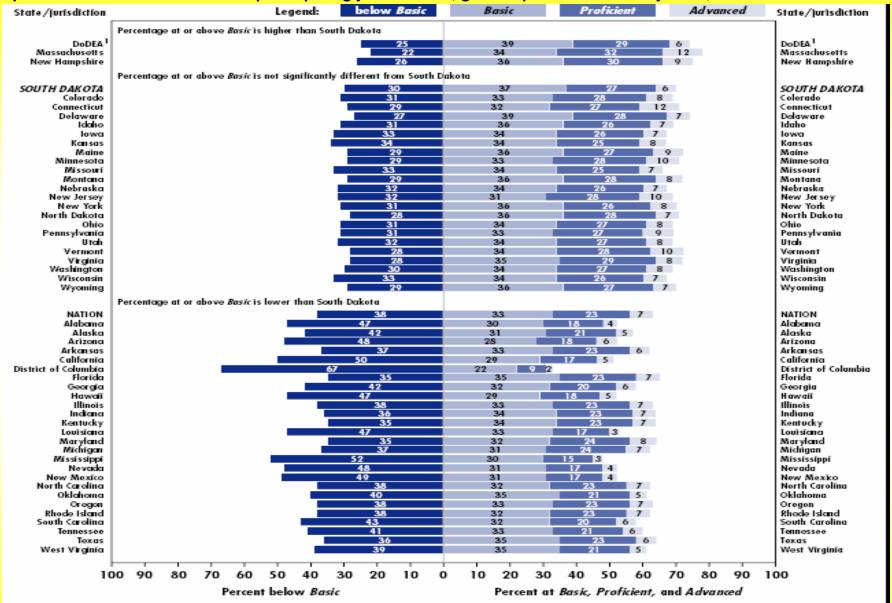
Reading Grade 4 Comparison— Highest and Bordering States 2003-2005

<u>Jurisdiction</u>	2003	2005
Massachusetts	228	231
Minnesota	223	225
North Dakota	222	225
Wyoming	222	223
South Dakota	222	222
Nebraska	221	221
Iowa	223	221

South Dakota's average reading scale score compared with scores for the nation and other participating jurisdictions, grade 4 public schools:



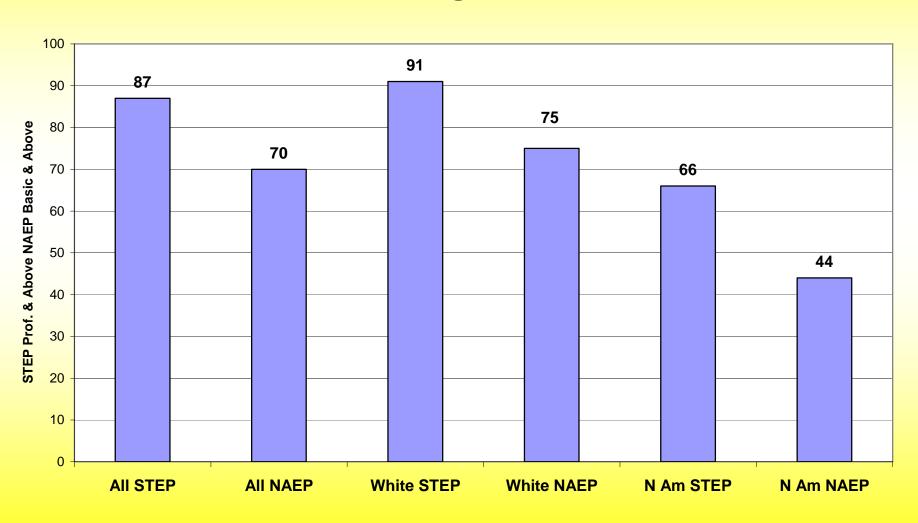
Percentage of students within each reading achievement level, and South Dakota's percentage at or above *Basic* compared with the nation and other participating jurisdictions, grade 4 public schools: By state, 2005



Department of Defense Education Activity schools (domestic and overseas). NOTE: The bars above contain percentages of students in each NAEP reading achievement level. Achievement levels corresponding to each population of students are aligned at the point where the Proficient category begins, so that they may be compared at Basic and above. Detail may not sum to totals because of rounding. The shaded bars are graphed using unrounded numbers. Significance tests used a multiple-comparison procedure based on all jurisdictions that participated.
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National

Assessment of Educational Progress (NAEP), 2005 Reading Assessment.

Dakota STEP Levels Compared to NAEP Levels Reading Grade 4 2005



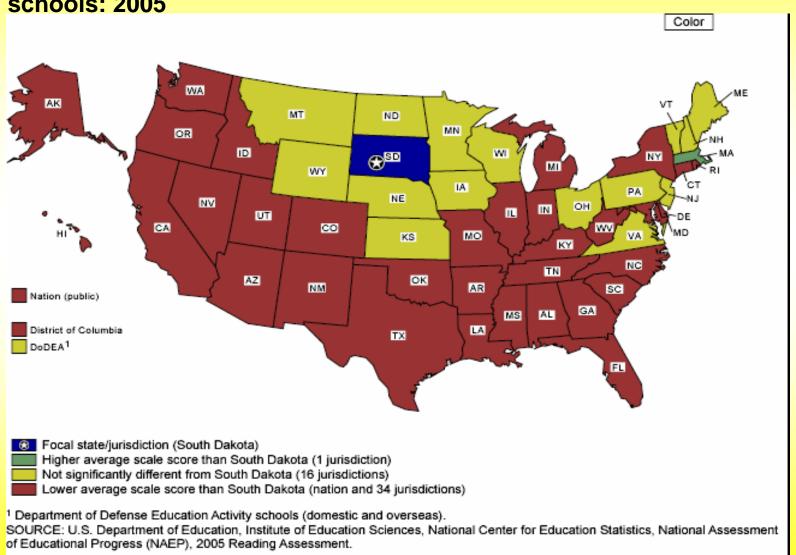
Performance of NAEP Reporting Groups in South Dakota Grade 8 Reading

Group	2003	2005	Dif
Males	265	264	-1
Females	275	273	-2
White	273	272	-1
Native American	246	245	-1
Eligible for free/reduced lunch	261	259	-2
Not eligible for free/reduced lunch	274	274	S
Students classified as having a disability	231	228	-3

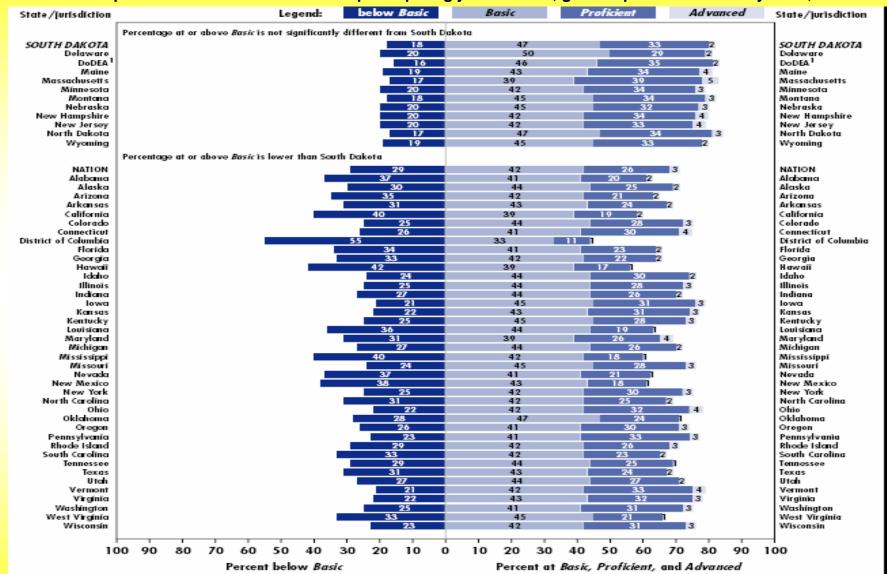
Reading Grade 8 Comparison— Highest and Bordering States 2003-2005

Jurisdiction	2003	2005
Massachusetts	273	274
North Dakota	270	270
South Dakota	270	269
Minnesota	268	268
Wyoming	267	268
Nebraska	266	267
Iowa	268	267

South Dakota's average reading scale score compared with scores for the nation and other participating jurisdictions, grade 8 public schools: 2005



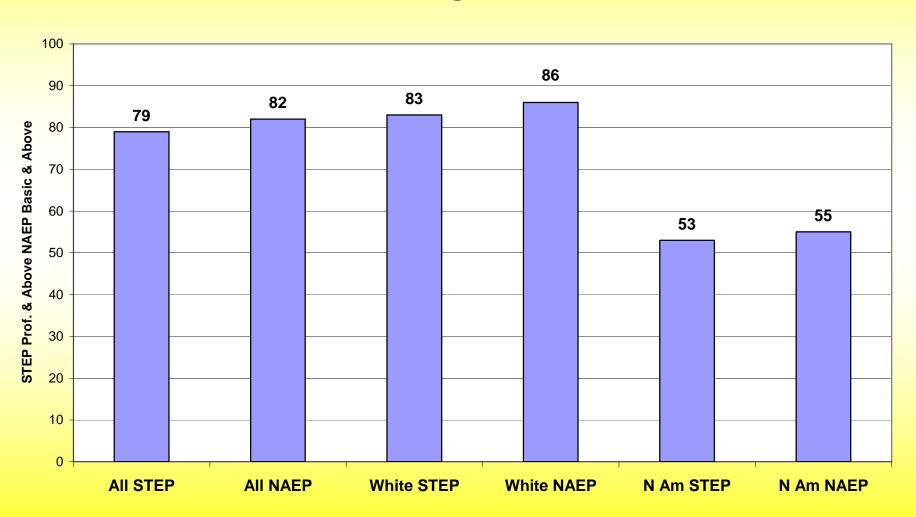
Percentage of students within each reading achievement level, and South Dakota's percentage at or above *Basic* compared with the nation and other participating jurisdictions, grade 8 public schools: By state, 2005

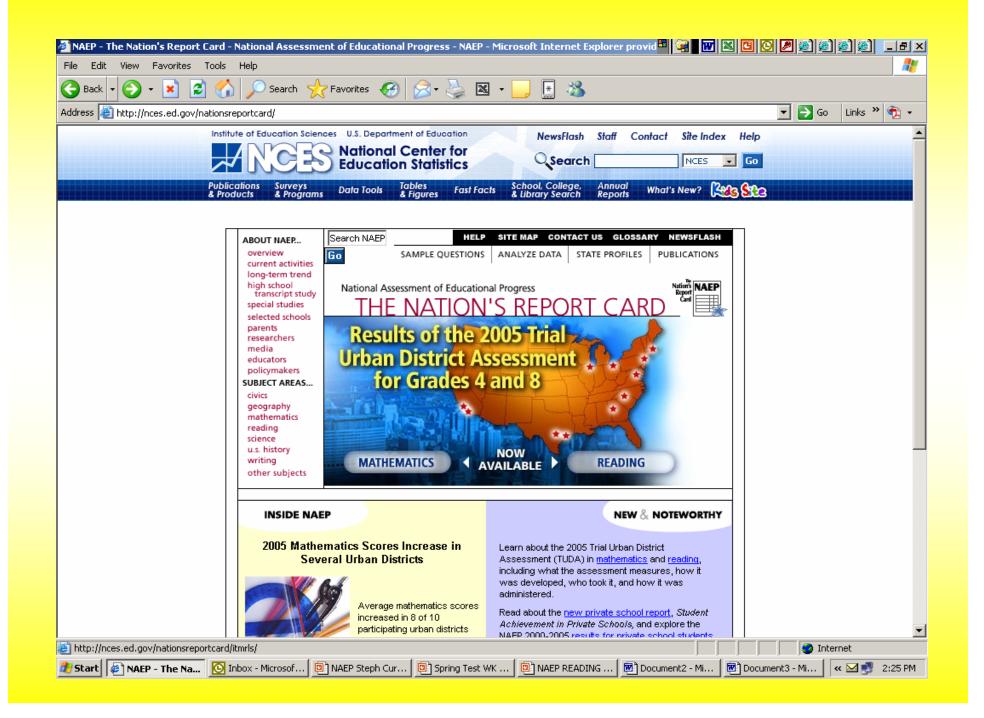


Department of Defense Education Activity schools (domestic and overseas).
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SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National

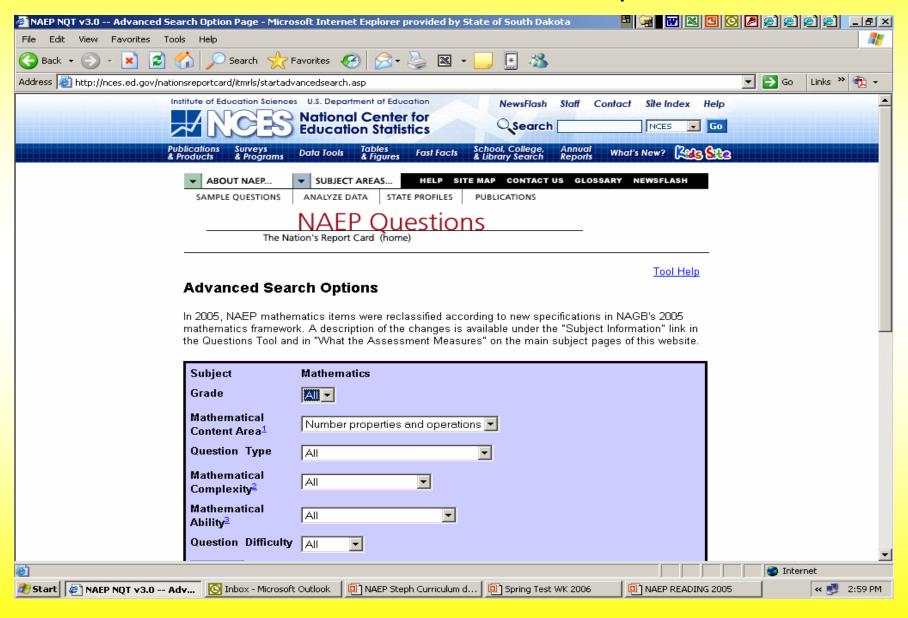
Assessment of Educational Progress (NAEP), 2005 Reading Assessment.

Dakota STEP Levels Compared to NAEP Levels Reading Grade 8 2005





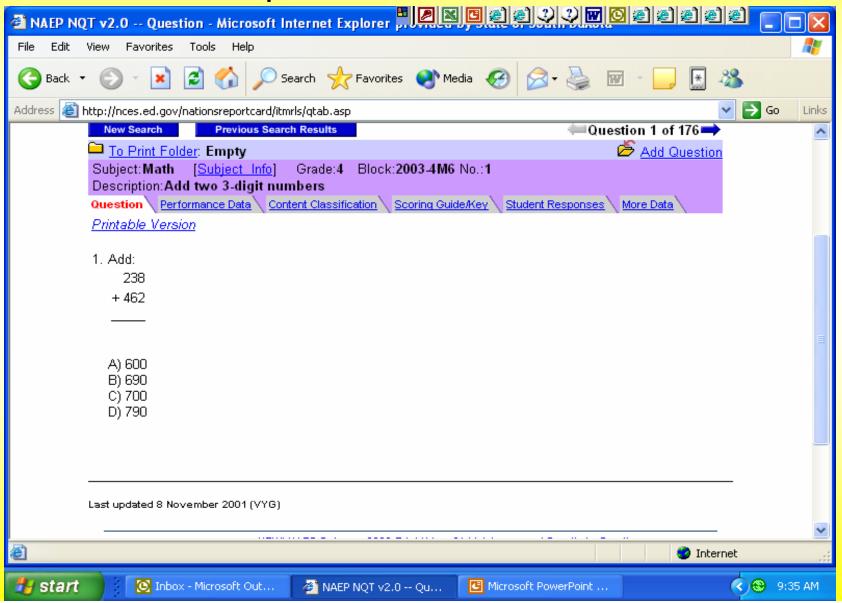
NAEP Questions Tool Search Options



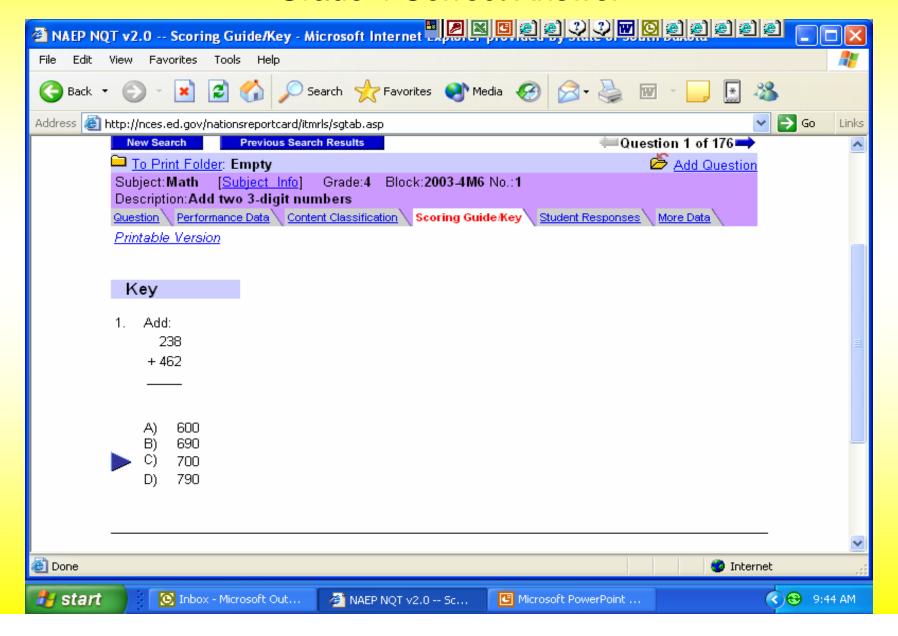
NAEP Questions Tool - Number Properties and Operations



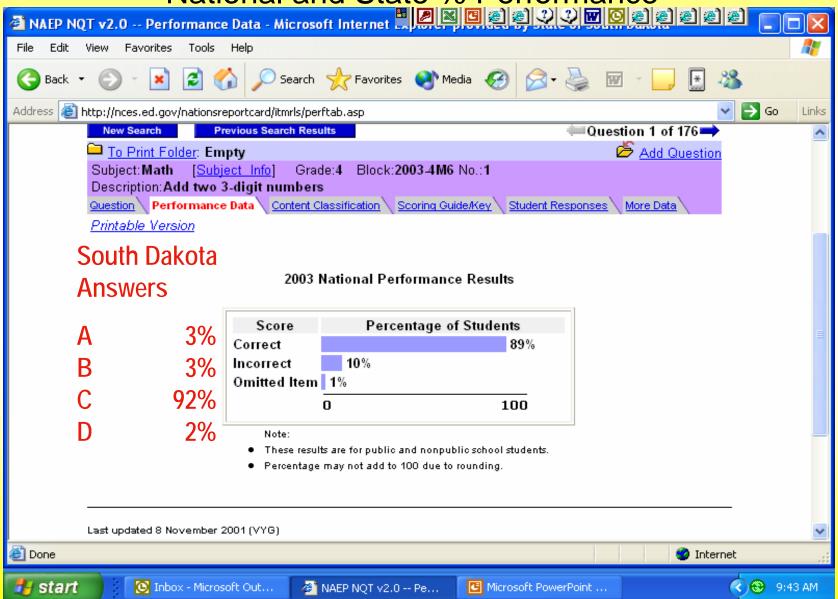
NAEP Questions Tool – Number Properties and Operations Grade 4 Test Question



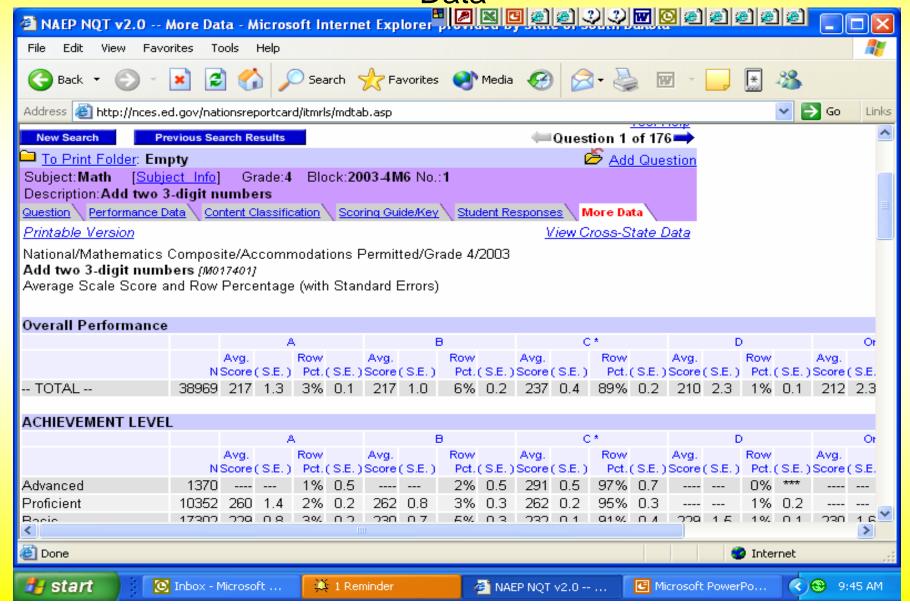
NAEP Questions Tool—Number Properties & Operations Grade 4 Correct Answer



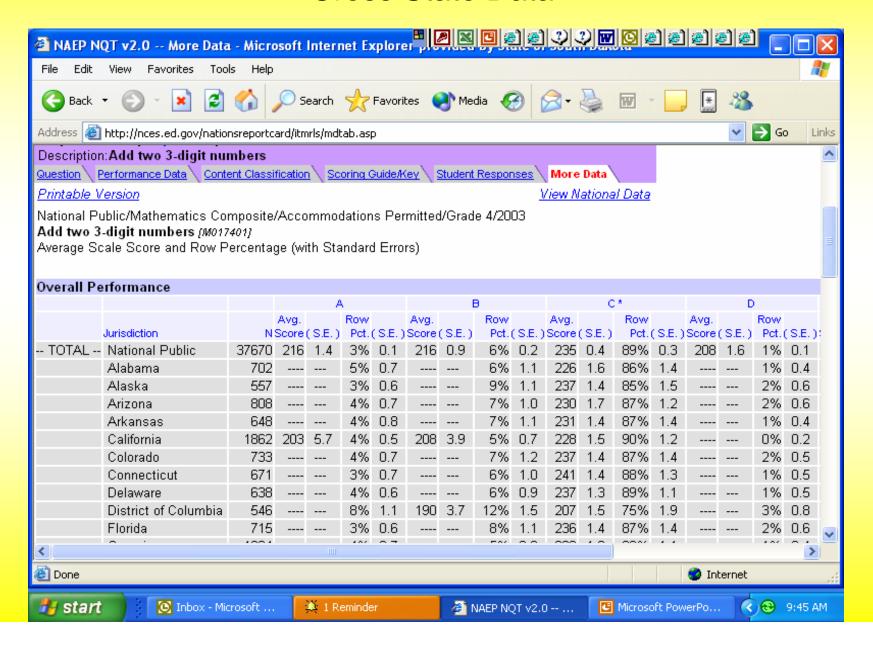
NAEP QT Number Properties & Operations Grade 4 National and State % Performance



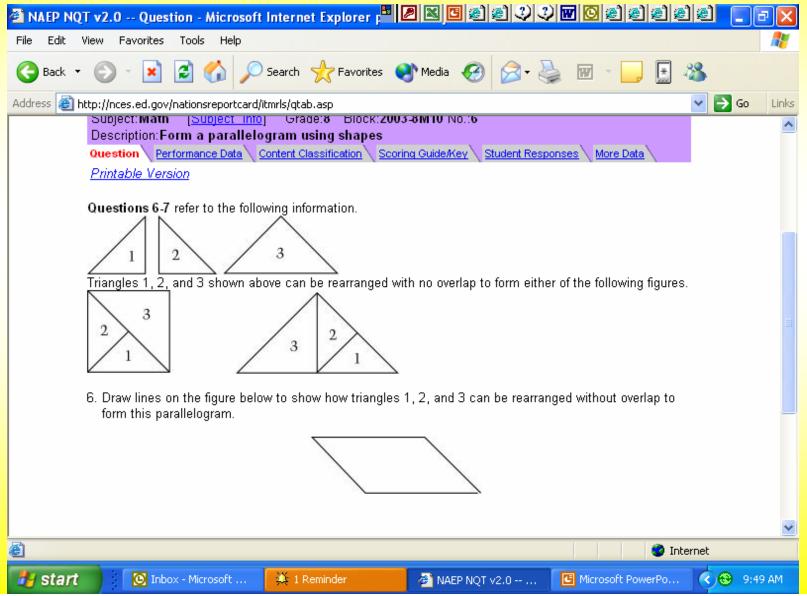
NAEP QT Number Properties & Operations Grade 4 More Data



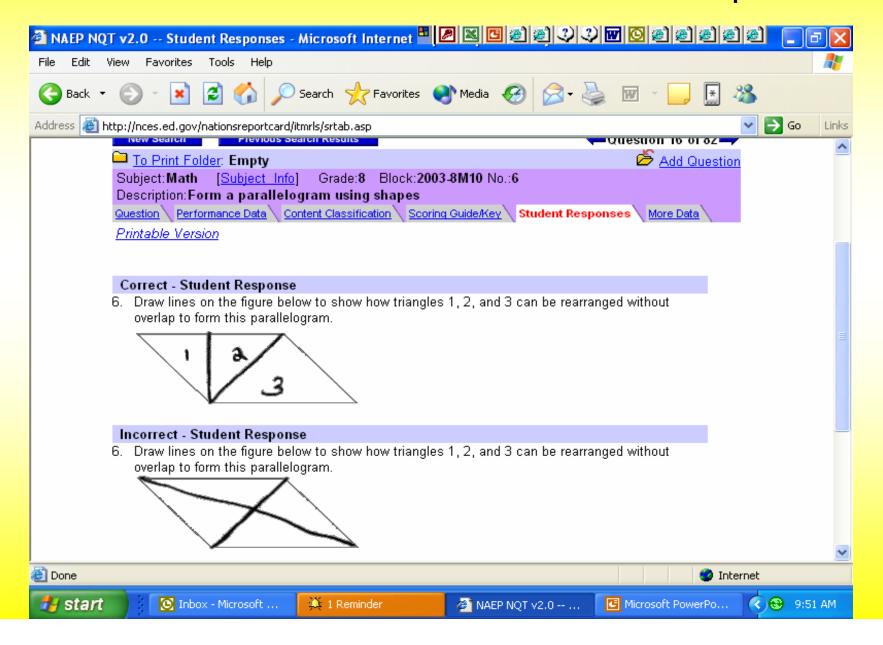
NAEP QT Number Properties & Operations Grade 4 Cross State Data



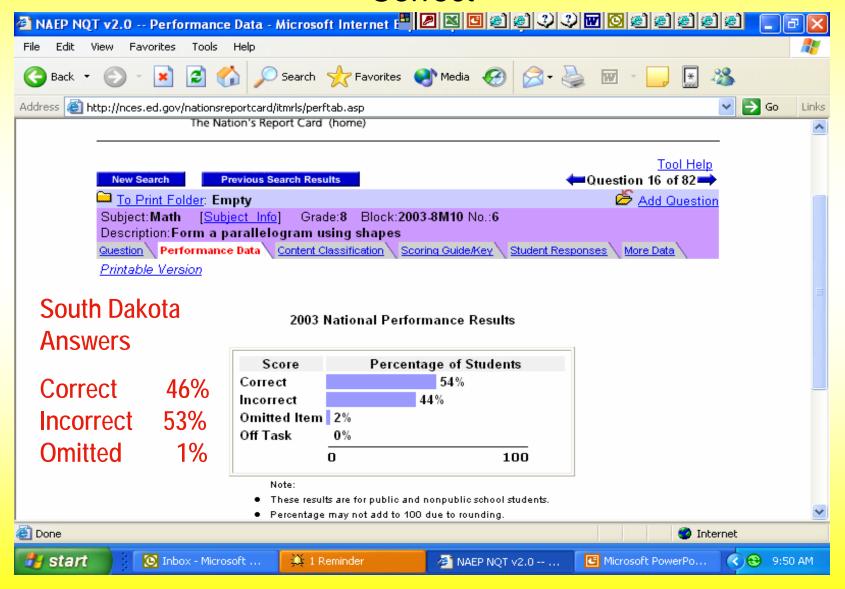
NAEP Questions Tool Geometry Grade 8 Test Question



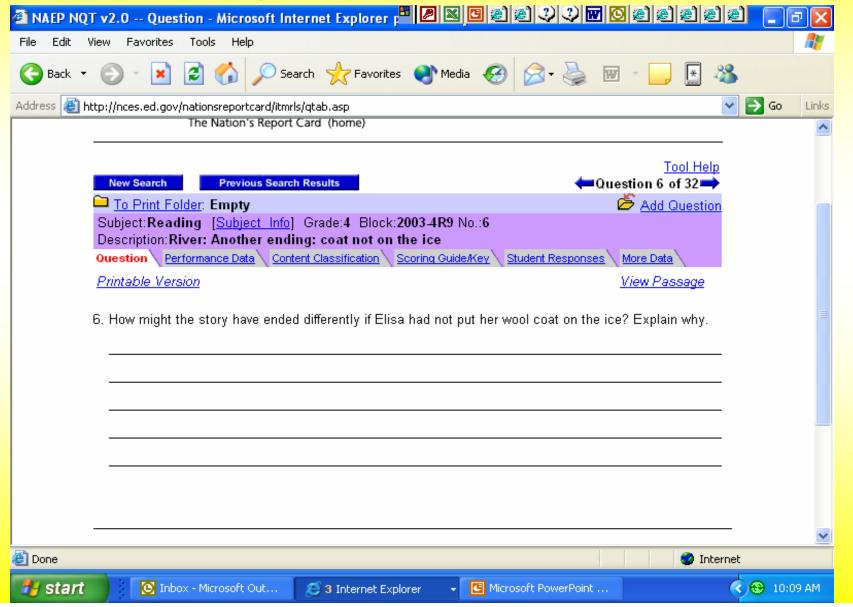
NAEP Questions Tool – Geometry Grade 8 Correct and Incorrect Student Responses



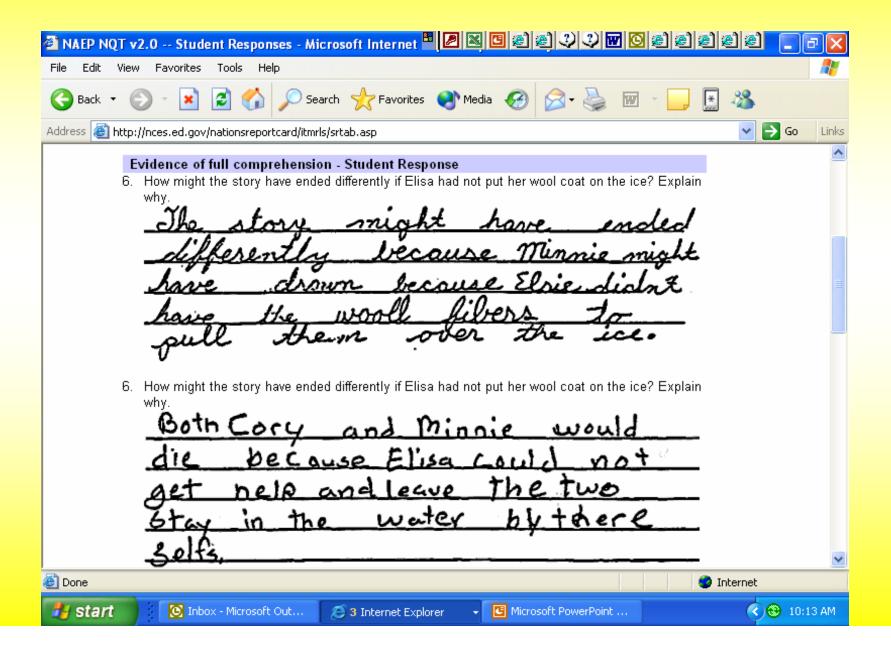
NAEP QT Geometry Grade 8 National & State % Correct



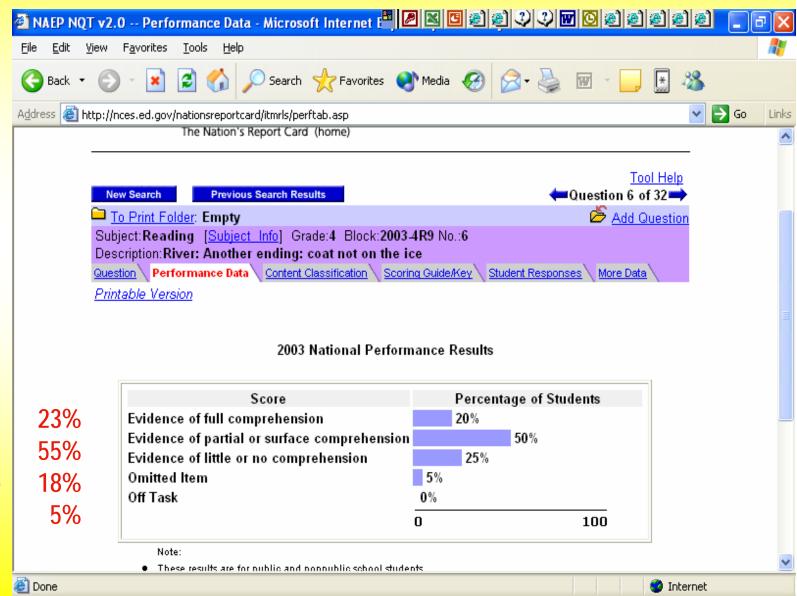
NAEP Questions Tool – Reading for Literacy Experience Grade 4 Test Question



NAEP Questions Tool – Reading for Literacy Experience Grade 4 Correct Student Responses



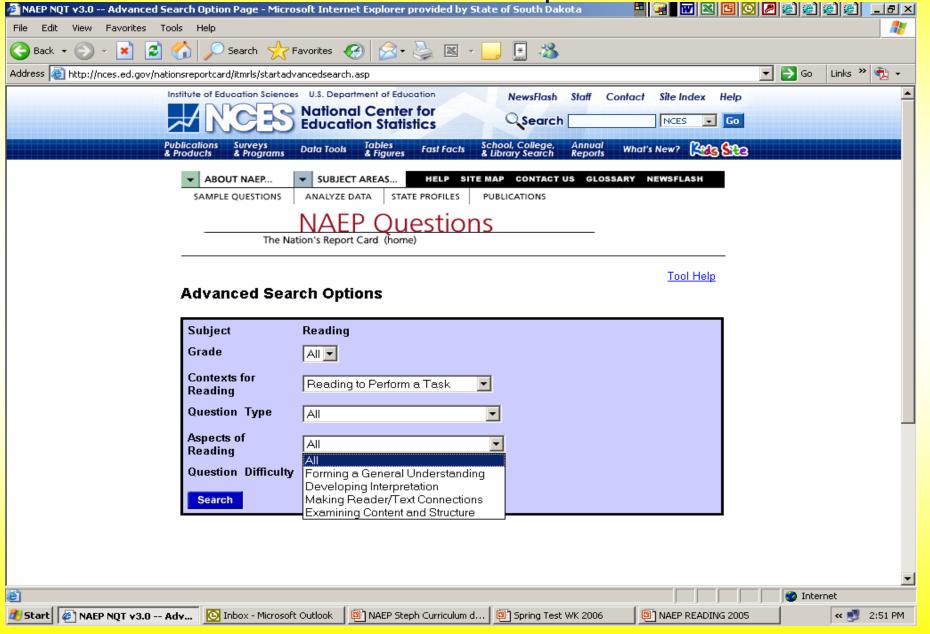
NAEP Questions Tool – Reading for Literacy Experience Grade 4 National and State %



South Dakota Answers

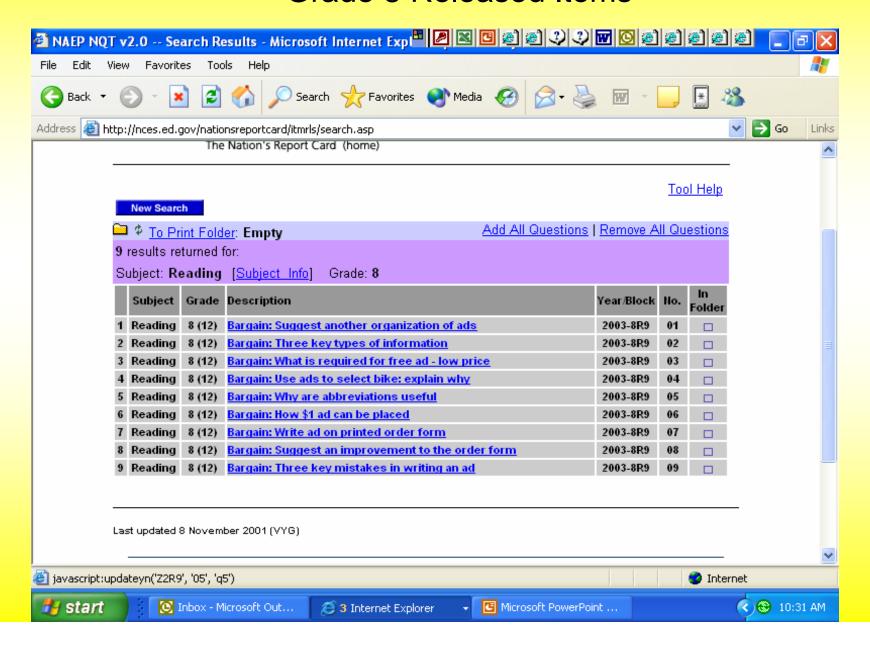
Full Comp
Partial Comp
Little/No Comp
Omitted Item

NAEP Questions Tool – Reading Performing to a Task Grade 8 Search Options

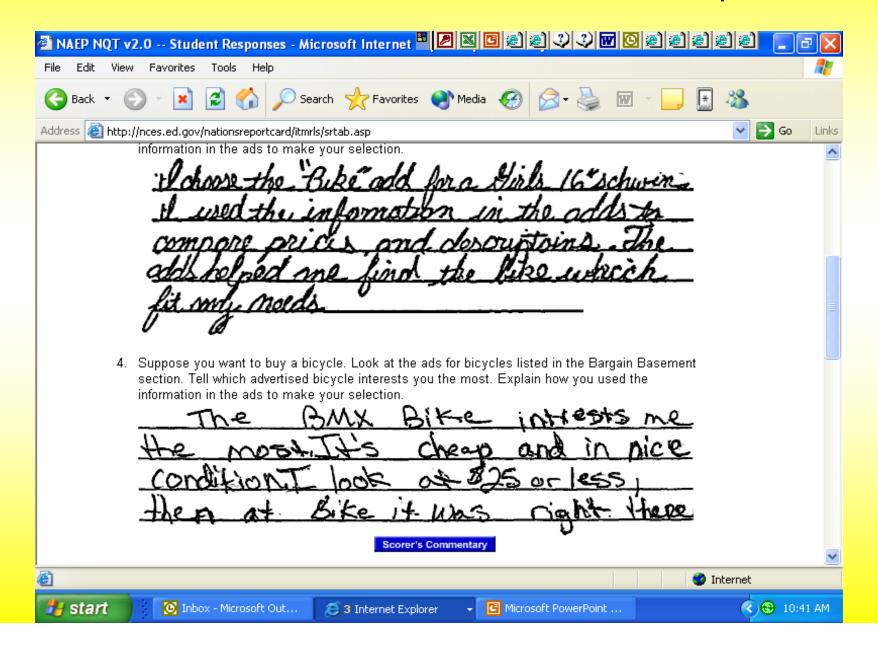


NAEP Questions Tool – Reading Performing to a Task

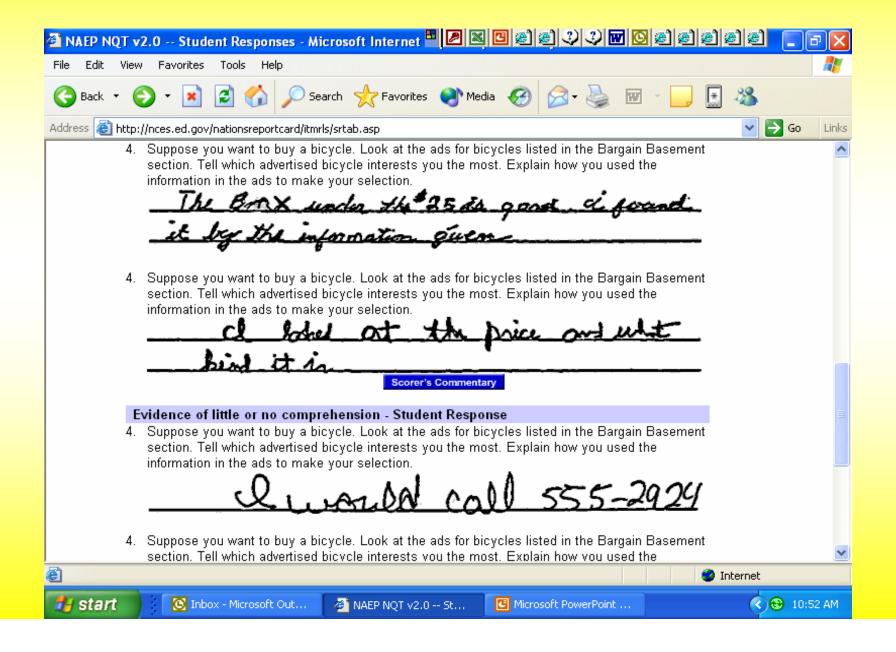
Grade 8 Released Items



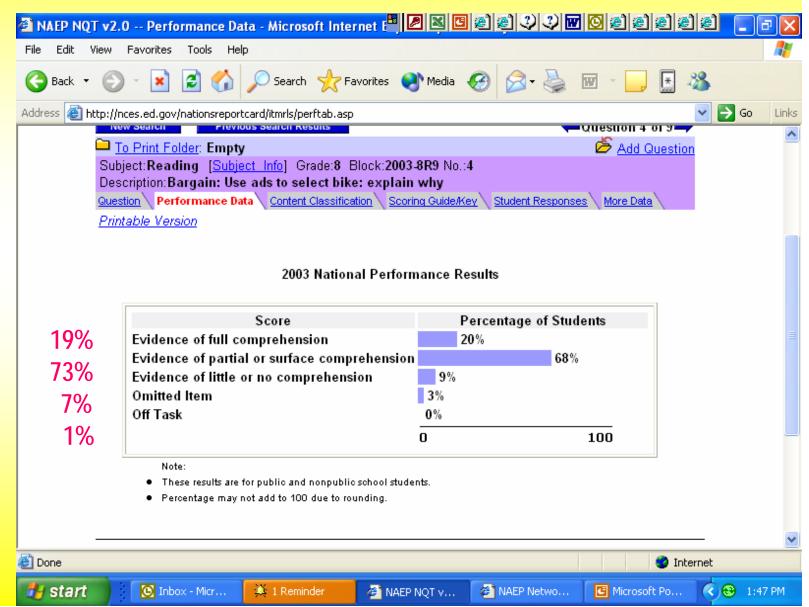
NAEP Questions Tool – Reading Performing to a Task Grade 8 Correct Student Responses



NAEP Questions Tool – Reading Performing to a Task Grade 8 Partially Correct Student Responses

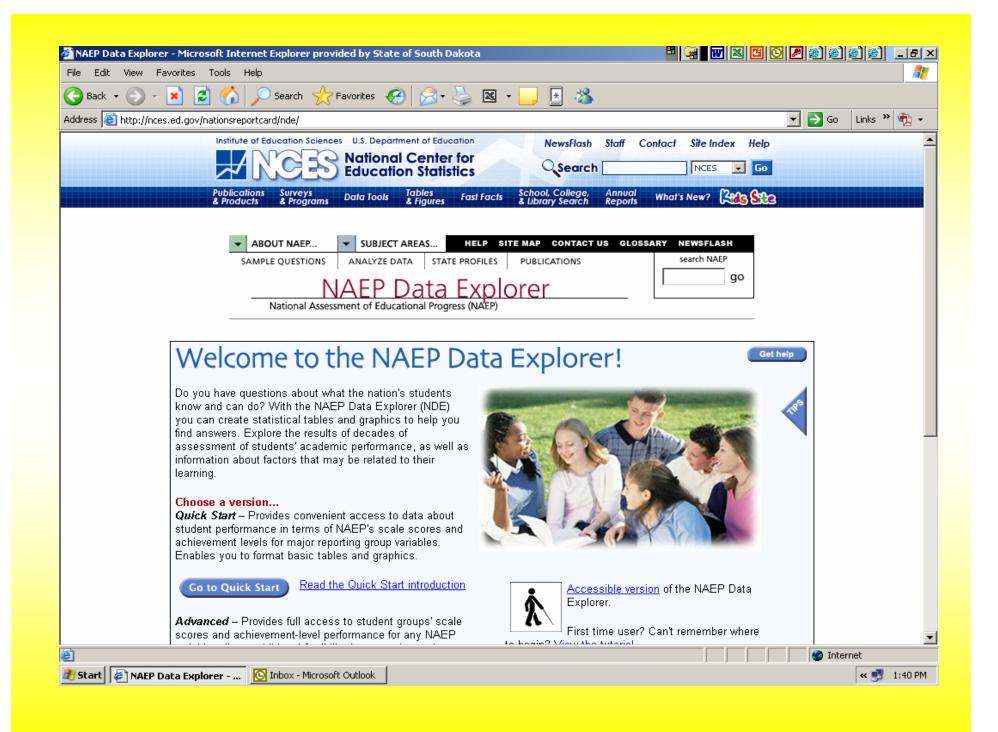


NAEP Questions Tool – Reading Performing to a Task Grade 8 National and State %

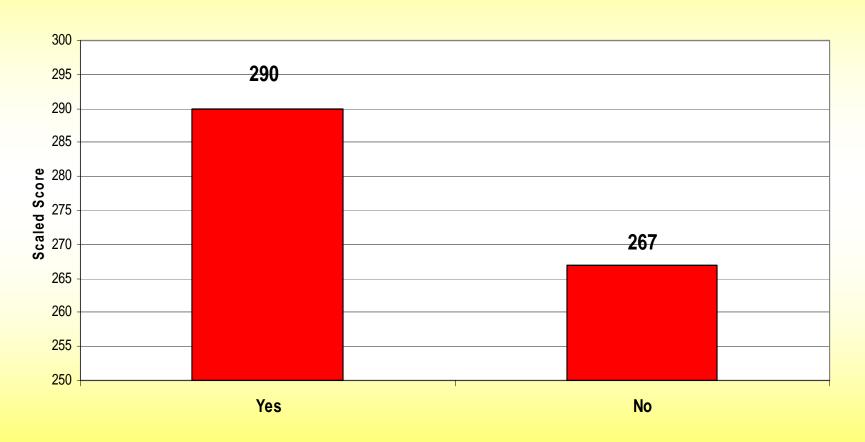


South Dakota Answers

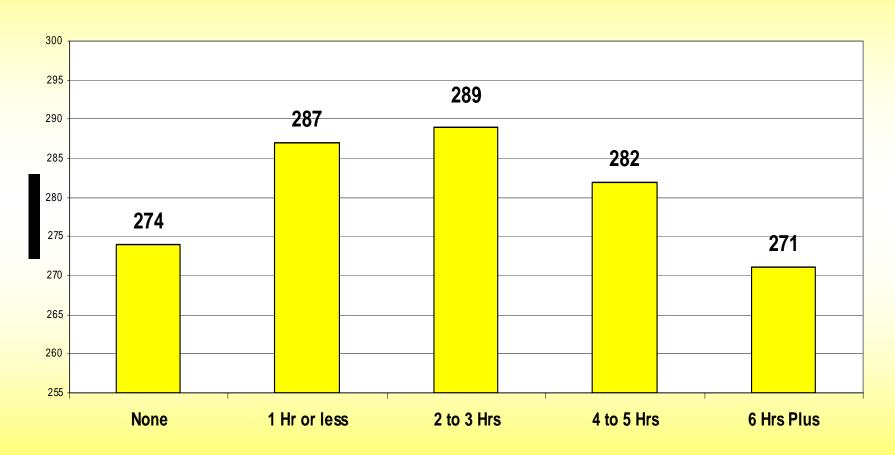
Full comp
Partial comp
Little/no comp
Omitted Item



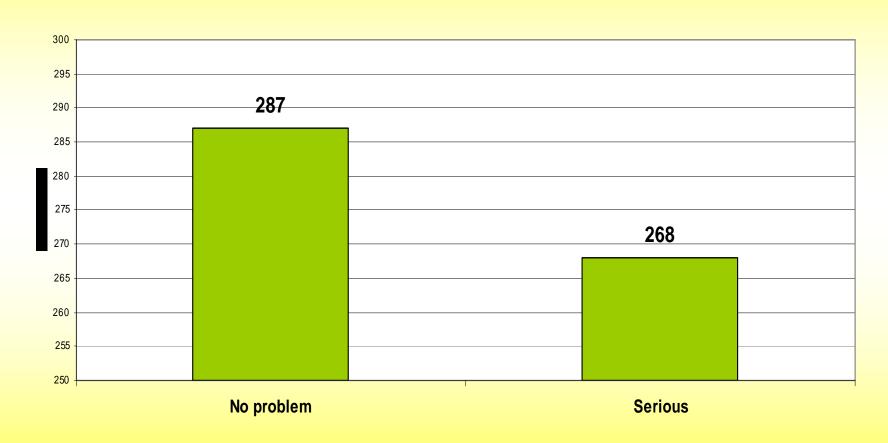
Computer in Home Grade 8 Math 2005



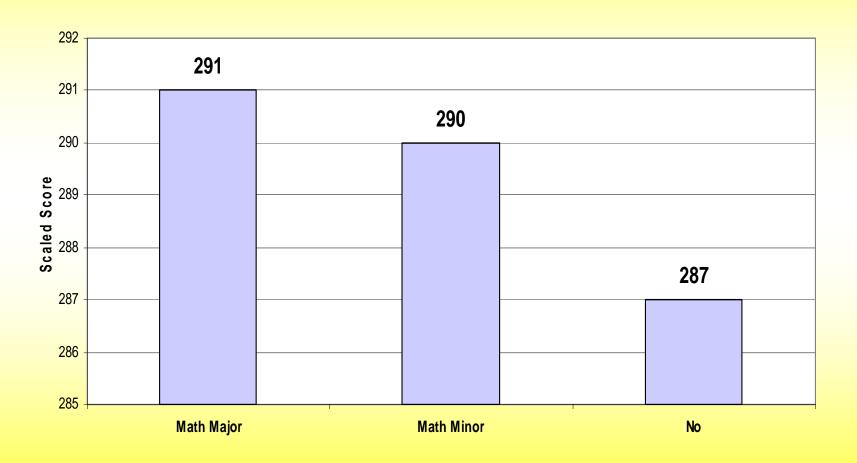
Hours Watching TV or Videos Grade 8 Math 2005



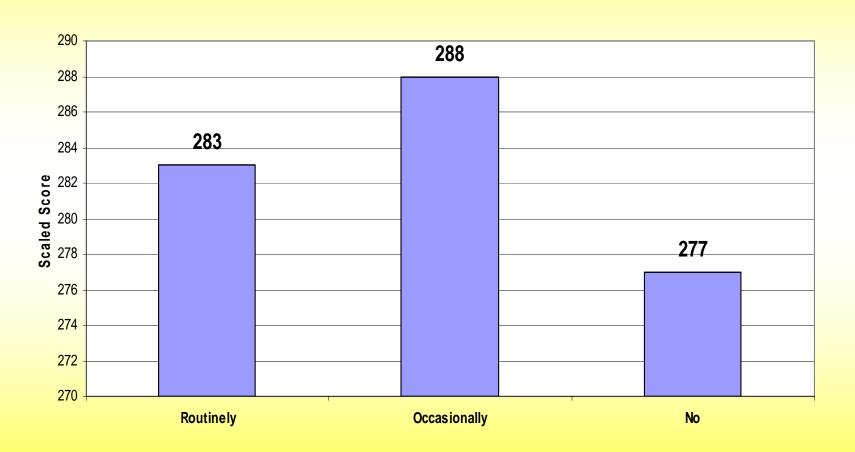
Attendance Grade 8 Math 2005



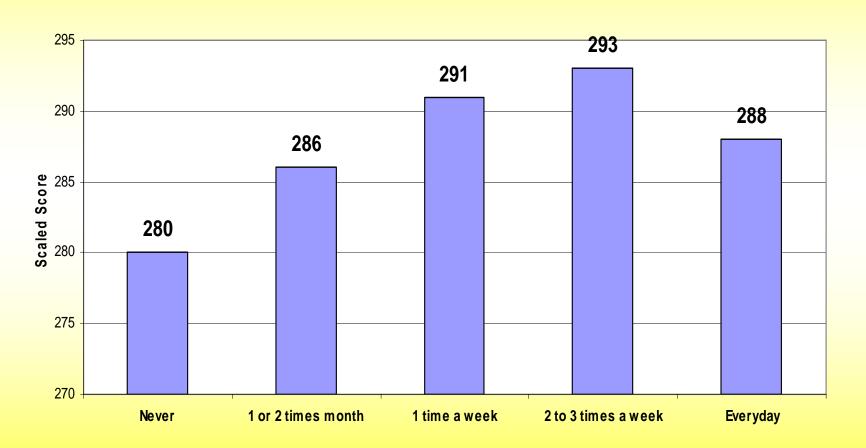
Teacher Qualifications Grade 8 Math



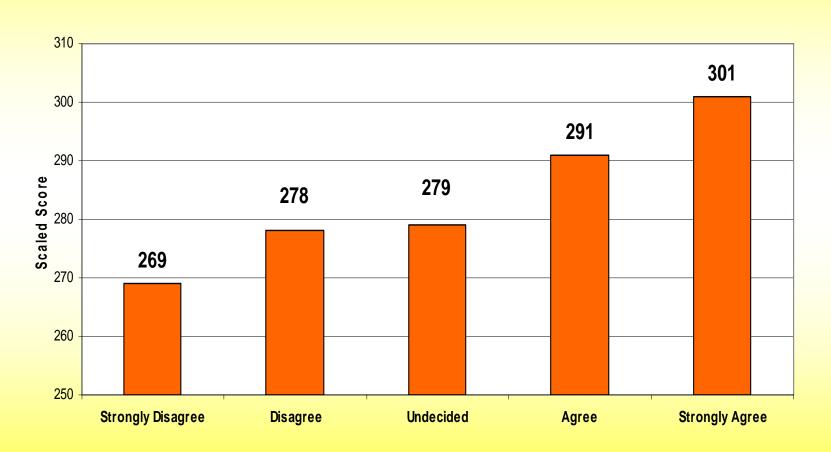
Parents Review Homework Grade 8 Math

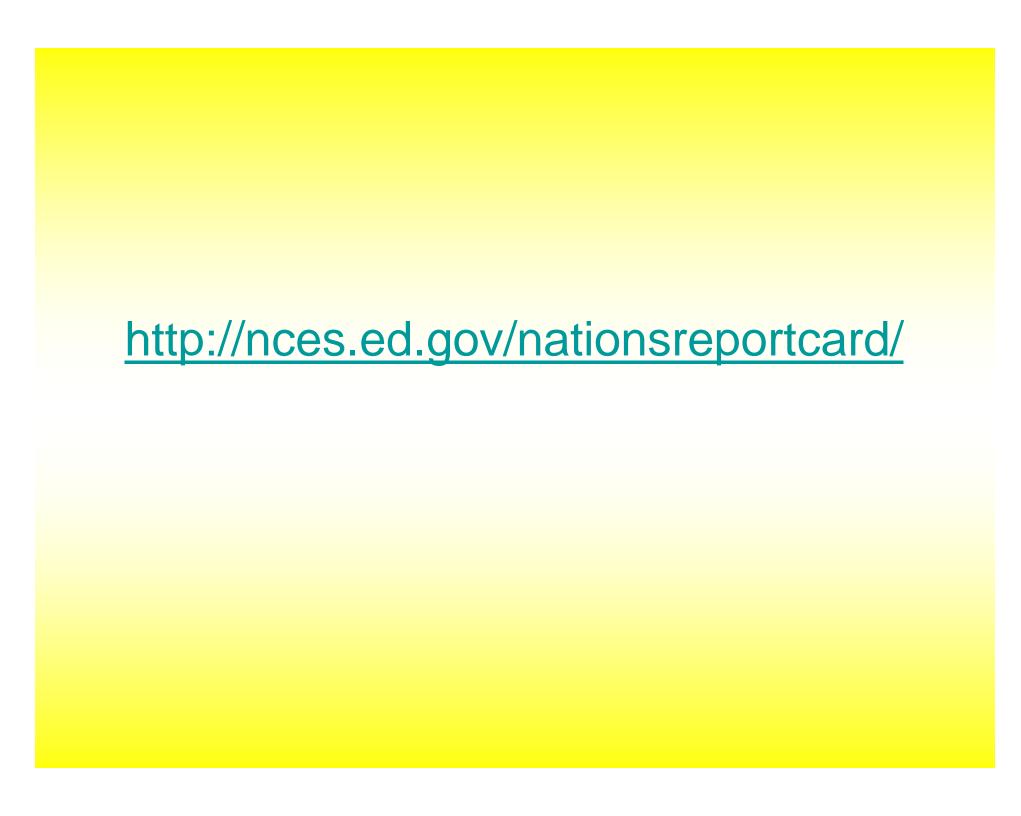


Talk About Studies at Home Grade 8 Math



Student Likes Math Grade 8





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